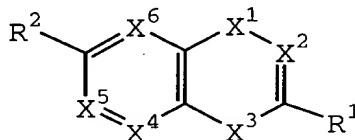


Heterocycles That Are Inhibitors Of IMPDH EnzymeAbstract of the Disclosure

5 Compounds of the formula



wherein  $X^1$  is  $C(O)$ ,  $-S(O)-$ , or  $-S(O)_2-$ ;

10  $X^2$  is  $CR^3$  or  $N$ ;  $X^3$  is  $-NH-$ ,  $-O-$ , or  $-S-$ ;

$X^4$  is  $CR^4$  or  $N$ ;  $X^5$  is  $CR^5$  or  $N$ ; and  $X^6$  is  $CR^6$  or  $N$  are useful as inhibitors of IMPDH enzyme. Thus, these compounds can be used as therapeutic agents for IMPDH-associated disorders.

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